

2. Bingwen

Program Name: Bingwen.java

Input File: bingwen.dat

Bingwen is calculating third roots of values, has trouble doing it by hand, and doesn't have a scientific calculator with that function, which would certainly make it easy to do. For example, the third root of 8 is 2, which simply means $2 \times 2 \times 2$ equals 8. Can you help him?

Input: Several values, each on one line, each no larger than 2147483647, or no smaller than its complement.

Output: The third root of each value, rounded to two decimal places.

Sample input:

```
8
234
6124
-699
84975
-33402
```

Sample output:

```
2.00
6.16
18.30
-8.87
43.96
-32.21
```